



January 26, 2017

R11379-2.6

Attn: Compliance Tracker, AE-17J
Air Enforcement and Compliance Assurance Branch
U.S. Environmental Protection Agency - Region 5
77 West Jackson Boulevard
Chicago, Illinois 60604

Ambient Air Lead Monitoring Report

Sampling Period of December 2, 2016 Through January 01, 2017

Behr Site - 1100 Seminary Street – Rockford, Illinois 61104

Site ID No.: 201030AYB

To Whom This May Concern:

Introduction

The Behr Site (Site) has implemented an ambient air monitoring program for lead and arsenic in accordance with USEPA Regions V's Request to Provide Information Pursuant to the Clean Air Act, dated May 5, 2015. An ambient air monitoring station has been installed in accordance with the approved *Ambient Air Lead Monitoring Station Siting Proposal* dated July 7, 2014. The site began operation on September 27, 2015. Station operating procedures, sample collection and handling procedures, and sample analytical methods and procedures have been performed in accordance with the revised *Quality Assurance Project Plan (QAPP)* dated December 6, 2016.

Beginning on September 27, 2015, a 24-hour TSP sample is collected every third day, as requested by USEPA. Sampling dates have been set to meet USEPA's schedule for ambient air lead sampling (i.e. every sixth day) as identified in Attachment A. Samples are held in sealed envelopes in a controlled area on site until a minimum of eleven samples have been collected. The samples are then sent to RTI International in Research Triangle Park, North Carolina for lead and arsenic analyses, in accordance with the methods identified in the QAPP. A summary of individual lead and arsenic measurements reported by RTI for all samples collected during this reporting period is presented in Appendix B.

The Site has also installed a meteorological station to simultaneously record barometric pressure, wind speed, and wind direction during sample collection periods. Met data for this reporting period is presented in Appendix C as 1-hour averages.

Summary of Ambient Air Monitoring Results for This Reporting Period:

A summary of the ambient air monitor measurements for sampling events performed on December 2 through January 1, 2017, is presented in Table 1 attached to this correspondence.

January 26, 2017

R11379-2.6

Ambient Air Lead Monitoring Station Monthly Report

Sampling Period of December 2, 2016 through January 01, 2017

Behr Site – Rockford, Illinois

Page 2



This table identifies the sampling date, sample duration, the 24-hour average temperature and barometric pressure data recorded by integrated sensors provided with the high volume sampler (used to adjust actual flow rate to standard conditions), average volumetric air sampling rate, total volume of air collected during each sampling event, as well as the analytical results for lead.

The total mass of lead on the filters (Column J) is divided by the total sample volume at standard conditions (Column H) to identify 24-hour average ambient air lead concentration in Column K.

The monthly mean is reported in Column L. The 3-month mean ambient lead concentration is presented in Column M and is reported as the average of the three most recent monthly means round to two significant digits after the decimal point for comparison to the NAAQS standard. The analytical report from RTI International, who has been subcontracted for filter analyses, is presented in Appendix B.

The attached table also reports the daily average wind direction and daily average wind speed for each sampling day (Columns N and O respectively). The meteorological data for this reporting period is presented in Appendix C, which also includes an aerial photo of the facility identifying the location of the ambient air monitor with respect to the lead material processing building (Dock 25) and the three point sources of lead emissions.

The Site has retained RK & Associates to assist with submitting monthly lead monitoring reports. If you have any questions, or require any additional information please do not hesitate to contact John Pinion at 630-393-9000 (jpinion@rka-inc.com).

Yours very truly,

RK & Associates, Inc.

A handwritten signature in black ink, appearing to read "John G. Pinion".

John G. Pinion
Associate Engineer

cc: Ms. Sarah Schlichtholz – Director, Environmental and Community Affairs – Alter Treading Inc. – St. Louis, MO
Mr. Patrick Kohlmeier – Environmental Engineer – Behr Site – Rockford, IL
Mr. Eric Boyd – Thompson Colburn – Chicago, IL

Table 1. Summary of Ambient Air Lead Monitoring Results October 3, 2016 through January 1, 2017

The Behr Site - Rockford, Illinois

Wind direction data includes
adjustment from Oct. 2016
Met Sta Performance Audit

Col > A USEPA Lead Sample Day (Y)	B Day of Week	C Sample Collection Date	D Sample Duration (days) (hrs)	E Avg. Temp °C	F Avg. Bar. Pres. mmHg	G Sample Rate / Volume		I Sampler Data Flags	J Lead ^a ug/filter	K Ambient Lead Concentration			N Facility Met Data	
						Average Rate scfm	Total std m ³			L Daily Average ug/m ³	M Monthly Average ug/m ³	N 3-Month Rolling Average ^{b,c} ug/m ³	O Daily Avg Wind Direction Degrees	P Daily Avg Wind Speed mph
Y	Mon	10/03/16	24:00	21.10	742.00	42.70	1,742.59		1,796.45	1.031	0.172	0.19	134°	0.92
	Thu	10/06/16	24:00	23.00	740.00	42.60	1,737.61		140.99	0.081			139°	1.86
	Sun	10/09/16	24:00	16.70	749.00	43.60	1,777.84		167.70	0.094			120°	1.33
	Wed	10/12/16	24:00	12.70	743.00	43.60	1,778.69		52.22	0.029			308°	0.66
	Sat	10/15/16	24:00	20.90	738.00	42.50	1,734.66		34.90	0.020			147°	3.39
	Tue	10/18/16	24:00	19.80	737.00	42.60	1,736.05		44.33	0.026			260°	0.23
	Fri	10/21/16	11:25	13.07	746.47	44.08	861.23		53.01	0.062i			330°	1.33
	Mon	10/24/16	24:00	22.70	750.00	0.00	0.00		i				330°	0.89
	Thu	10/27/16	24:00	9.70	746.00	44.00	1,793.96		62.38	0.035			337°	0.61
	Sun	10/30/16	21:44	21.30	746.00	4.80	179.73	POWER	j				19°	0.33
	Wed	11/02/16	24:00	15.40	744.00	43.20	1,762.13		70.50	0.040			70°	0.39
	Sat	11/05/16	24:00	13.70	748.00	43.60	1,777.31		30.95	0.017			149°	0.53
	Tue	11/08/16	24:00	10.40	747.00	44.00	1,794.01		50.22	0.028			333°	1.41
Y	Fri	11/11/16	24:00	6.10	751.00	44.50	1,815.11		169.53	0.093			345°	0.95
	Mon	11/14/16	24:00	9.70	738.00	43.30	1,767.17		30.05	0.017			147°	0.84
	Thu	11/17/16	17:06	17.60	734.00	43.60	1,265.68	POWER	128.74	0.102 k			144°	4.31
	Sun	11/20/16	24:00	1.00	749.00	44.90	1,831.96		14.06	0.008			326°	1.37
	Wed	11/23/16	24:00	7.70	739.00	43.80	1,785.04		630.80	0.353			131°	2.40
	Sat	11/26/16	24:00	7.00	744.00	44.60	1,818.14		14.06	0.008			145°	2.08
	Tue	11/29/16	24:00	8.60	729.00	43.00	1,754.85		32.83	0.019			141°	2.27
	Fri	12/02/16	24:00	4.20	747.00	44.50	1,815.42		10.39	0.006			289°	2.39
	Mon	12/05/16	24:00	2.30	738.00	44.80	1,825.08		79.99	0.044			148°	2.39
	Thu	12/08/16	24:00	-3.10	753.00	45.80	1,866.56		15.33	0.008			286°	4.90
	Sun	12/11/16	24:00	0.40	737.00	44.70	1,823.66		19.07	0.010			128°	2.46
	Wed	12/14/16	24:00	-11.80	747.00	46.60	1,900.77		43.36	0.023			284°	2.48
	Sat	12/17/16	24:00	-7.60	739.00	45.60	1,858.58		29.87	0.016			336°	2.04
	Tue	12/20/16	24:00	-1.60	744.00	45.20	1,841.39		30.60	0.017			132°	3.50
	Fri	12/23/16	24:00	3.90	741.00	44.70	1,821.82		12.25	0.007			138°	2.18
	Mon	12/26/16	24:00	2.10	740.00	44.40	1,809.64		23.15	0.013			221°	1.46
	Thu	12/29/16	24:00	-0.20	739.00	45.10	1,838.39		55.86	0.030			286°	5.02
	Sun	01/01/17	24:00	2.6	742.00	44.50	1,814.54		21.89	0.012			141°	1.62

Period Covered by this Report

- a. Lab analysis by RTI International in Research Triangle Park, NC.
- b. Arithmetic average of all sampling events during the previous three calendar months.
- c. The requirement to analyze for, and report, ambient air arsenic concentrations was eliminated by USEPA as of September 27, 2016.
- i. Brushes on electric motor failed at 19:00 hrs on October 21st terminating sample collection. Results reported for October 21 represent 11.5-hrs of sampling time. Failure of the electric motor was not discovered until completion of the October 24th sampling event, when the operator noted the motor did not operate and no air was passed through the filter. The October 24th filter was submitted for analysis as a 'field blank' with a reported total mass of lead of 17.7-ug. The motor was repaired so normal operation could resume for the October 27th sampling event.
- j. The compression gasket on the electric motor mount failed allowing the motor to change position disconnecting the power supply wires to the motor shortly after commencement of the sampling event. The total reported sample volume for this event was approximately 10% of normal and therefore considered to be an invalid sample and the filter was not submitted for analysis. The gasket was replaced and the sampler was returned to normal operation for the November 3rd sampling event.
- k. The air sampling rate for the first 45-minutes of the sampling event (07:30 to 08:15) was below the set point because the electrical motor was gradually disconnecting from its housing before shorting out and stopping completely at 08:45. When operators noted this problem, the motor was repaired and resumed normal operation at 15:05 and continued to operate normal until the end of the sampling



**Ambient Air Lead Monitoring Report
Behr Site**

**1100 SEMINARY STREET
ROCKFORD, ILLINOIS
SITE ID NO.: 201030AYB**

Report Date: January 26, 2017

APPENDIX A

USEPA Schedule of Lead Sampling Days for 2016

EPA Sampling Schedule

2016

Important Dates

Notes

3-Day schedule is shown in orange, green, and purple

6-Day schedule is shown in green and purple

12-Day schedule is shown in purple

January						
S	M	T	W	T	F	S
				1	2	
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

February						
S	M	T	W	T	F	S
		1	2	3	4	5
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29					

March						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

April						
S	M	T	W	T	F	S
				1	2	
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

May						
S	M	T	W	T	F	S
		1	2	3	4	5
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

June						
S	M	T	W	T	F	S
		1	2	3	4	
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

July						
S	M	T	W	T	F	S
		1	2			
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

August						
S	M	T	W	T	F	S
		1	2	3	4	5
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

September						
S	M	T	W	T	F	S
		1	2	3		
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

October						
S	M	T	W	T	F	S
		1				
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

November						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

December						
S	M	T	W	T	F	S
		1	2	3		
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31



**Ambient Air Lead Monitoring Report
Behr Site**

**1100 SEMINARY STREET
ROCKFORD, ILLINOIS
SITE ID NO.: 201030AYB**

Report Date: January 26, 2017

APPENDIX B

**RTI International Analytical Results
December 2, 2016 through January 01, 2017**

January 24, 2017

Andrew Setter
Behr Iron & Metal
1100 Seminary Street
Rockford, IL 61104

Dear Mr. Setter:

RTI International analyzed the TSP filter samples you provided in accordance with 40 CFR Part 50, Appendix G. The results are summarized below in Table 1.

Table 1. TSP Filter Results µg/Filter		
Filter ID	Date Collected	Lead
9329345	1/1/2017	21.9
9329346	12/29/2016	55.9
9329347	12/26/2016	23.2
9329348	12/23/2016	12.2
9329349	12/20/2016	30.6
9329350	12/17/2016	29.9
9329351	12/14/2016	43.4
9329352	12/11/2016	19.1
9329353	12/8/2016	15.3
9329354	12/5/2016	80.0
9329355	12/2/2016	10.4

Please refer to the attached spreadsheets “Behr Set 13 Data” and “2017 Pb TSP Audit Filters January” for quality control information. The remaining filter sections will be archived for two years. Please call me at 919-541-8762 or email me at fxw@rti.org if you have any questions.

Sincerely,

Frank Weber

Frank Weber
Laboratory Manager

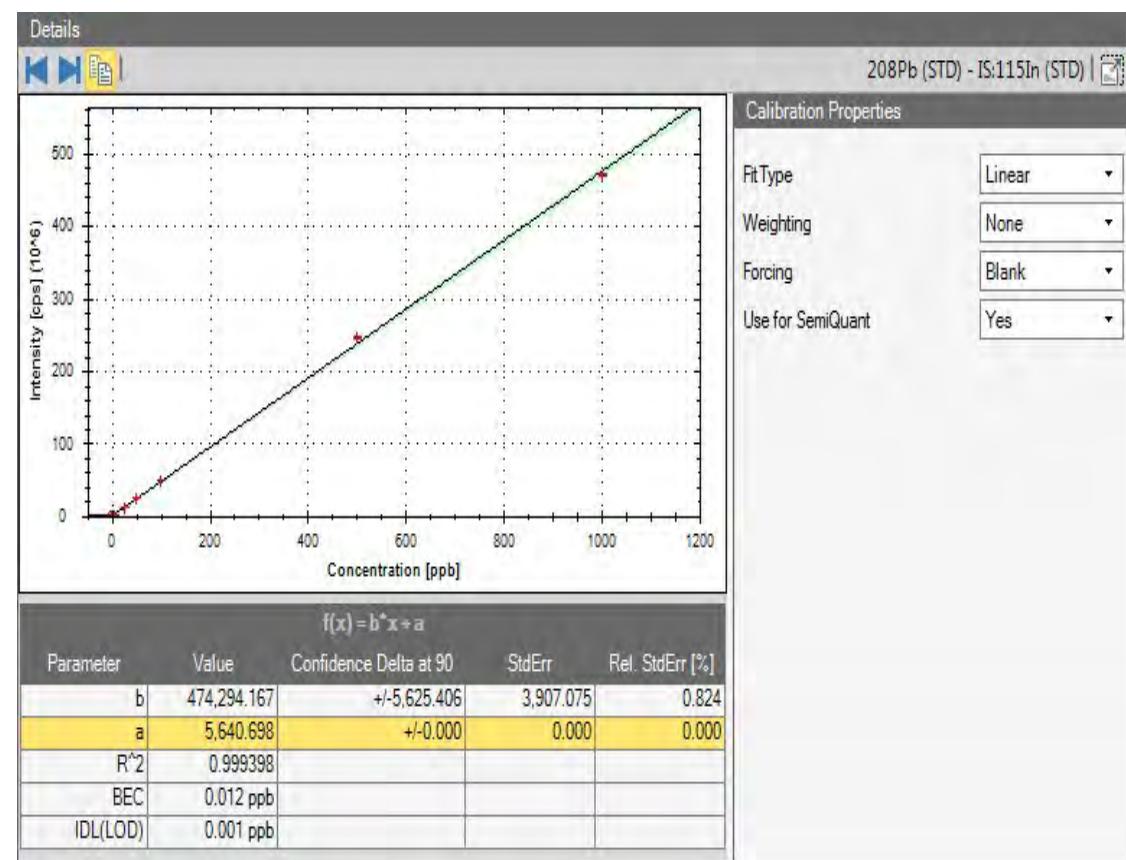
cc: Project file 0212431.002.053
Lisa Bailey, RTI/ORC

Analyzed by: JEM

Reviewed by: FXW 012417

0212431.002.053 Set 13**Calibration Standards**

	Lead µg/L	% Recovery
Calibration Blank	0	n/a
5	5.05	101
25	25.4	101
50	50.9	102
100	103	103
500	520	104
1000	990	99

**Initial and Continuing Calibration Verifications**

	Lead µg/L	% Recovery
ICV	209	104
CCV1	209	105
CCV2	203	102
CCV3	214	107
CCV4	206	103
CCV5	207	104

Initial and Continuing Calibration Blanks

	Lead µg/L		
ICB	0.005	<RL	RL=5µg/L
CCB1	0.004	<RL	
CCB2	0.003	<RL	
CCB3	0.003	<RL	
CCB4	0.002	<RL	
CCB5	0.101	<RL	

Analyzed by: JEM

Reviewed by: FXW 012417

Lower Level Calibration Verifications

	Lead µg/L	% Recovery
LLCV1	12.1	101
LLCV2	12.3	102

Reagent Blanks/Reagent Blank Spikes

	Lead µg/L	% Recovery
RB	0.002	<RL
RBS	247	99

Certified Reference Material

	Lead µg/L	Lead mg/kg	% Recovery	weight (g)	NIST 2711 Montana Soil
CRM	2686	1068	92	0.1006	Certified Value = 1162mg/kg
Filter Blannk	1.46				

Matrix Duplicates

	Lead µg/filter	RPD
9329346	55.9	
9329346 Dup	61.9	10

Matrix Spikes

	Lead µg/filter	% Recovery
9329346	55.9	
9326346 Spike	163	90

Serial Dilutions

	Lead µg/filter	% Difference	MDL	Lead µg/filter
9329349	30.6			0.0832
9329349 SD 1:5	30.6	0		

TSP strips

	Date	µg/L	final vol (L)	µg/strip	% Recovery	Actual
BAT-TSP-2017-01-345	1/20/2017	390.64	0.040	15.63	101	15.4
BAT-TSP-2017-02-320	1/20/2017	1629.82	0.040	65.19	98	66.7



**Ambient Air Lead Monitoring Report
Behr Site**

**1100 SEMINARY STREET
ROCKFORD, ILLINOIS
SITE ID NO.: 201030AYB**

Report Date: January 26, 2017

APPENDIX C

**Meteorological Station Data – Hourly Averages
December 2, 2016 through January 01, 2017**

Summary of Hourly Meteorological Data for Ambient Sampling
Ambient Air Sampling Days - December 2, 2016 Through January 1, 2017
Behr Iron & Metal, Inc. - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed (mph)
12/02/16	1	762	36.5	2.68	283°	289°	2.39
	2	763	36.4	2.72	285°		
	3	763	36.1	2.32	276°		
	4	763	36.1	2.95	273°		
	5	764	36.3	2.93	275°		
	6	764	36.4	2.07	277°		
	7	764	36.6	2.74	273°		
	8	765	36.6	2.66	274°		
	9	765	36.7	2.58	287°		
	10	766	36.3	2.08	298°		
	11	766	36.1	1.62	301°		
	12	767	36.8	1.75	305°		
	13	767	37.4	2.10	317°		
	14	767	37.9	2.30	329°		
	15	767	37.6	2.66	316°		
	16	768	36.8	2.84	315°		
	17	768	35.9	2.95	284°		
	18	769	35.0	2.90	296°		
	19	769	34.4	2.29	305°		
	20	769	34.2	2.47	277°		
	21	770	33.8	2.62	277°		
	22	770	33.4	2.63	284°		
	23	770	33.1	2.49	282°		
	24	770	32.8	2.38	277°		
12/05/16	1	761	32.9	2.90	280°	148°	2.39
	2	761	33.0	3.68	276°		
	3	761	32.9	3.27	283°		
	4	761	32.8	2.41	275°		
	5	762	32.5	0.66	261°		
	6	762	32.5	0.12	255°		
	7	762	33.0	1.72	128°		
	8	762	33.2	1.67	128°		
	9	762	32.9	0.75	149°		
	10	762	32.7	3.13	144°		
	11	762	31.8	3.98	146°		
	12	762	31.3	4.47	145°		
	13	762	31.4	4.37	141°		
	14	762	31.4	4.81	148°		
	15	762	32.3	3.69	145°		
	16	762	33.1	4.12	147°		
	17	762	33.2	3.69	146°		
	18	761	32.8	3.69	137°		
	19	761	32.3	3.62	138°		
	20	761	31.4	4.27	133°		
	21	761	31.0	4.61	133°		
	22	761	30.7	4.71	135°		
	23	760	30.7	5.19	132°		
	24	760	31.0	4.24	131°		

Summary of Hourly Meteorological Data for Ambient Sampling
Ambient Air Sampling Days - December 2, 2016 Through January 1, 2017
Behr Iron & Metal, Inc. - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed (mph)
12/08/16	1	766	23.8	5.19	280°	286°	4.90
	2	766	23.4	4.95	280°		
	3	766	22.3	6.15	279°		
	4	766	21.6	5.90	281°		
	5	767	20.2	5.00	293°		
	6	767	18.7	4.87	292°		
	7	767	16.3	5.41	279°		
	8	768	15.6	6.11	285°		
	9	769	15.6	5.34	284°		
	10	769	15.9	4.78	293°		
	11	770	17.2	5.51	284°		
	12	770	18.0	5.87	286°		
	13	770	18.9	5.71	285°		
	14	770	20.4	5.36	288°		
	15	770	21.5	5.23	295°		
	16	771	22.0	5.51	294°		
	17	771	22.4	4.41	285°		
	18	772	22.7	3.66	295°		
	19	772	23.2	3.69	288°		
	20	772	23.4	3.68	289°		
	21	772	23.2	3.98	285°		
	22	772	22.9	3.86	293°		
	23	773	22.7	4.10	283°		
	24	773	22.4	3.88	284°		
12/11/16	1	768	22.9	4.20	131°	128°	2.46
	2	768	23.0	4.21	126°		
	3	767	23.4	3.50	128°		
	4	766	23.7	4.37	126°		
	5	765	23.8	3.91	126°		
	6	764	24.2	4.61	128°		
	7	763	25.1	5.06	131°		
	8	762	25.7	4.15	129°		
	9	762	26.3	4.04	130°		
	10	762	26.8	3.60	126°		
	11	761	27.7	3.83	127°		
	12	760	29.0	3.51	129°		
	13	759	29.0	2.51	130°		
	14	758	29.0	2.35	129°		
	15	757	29.7	2.41	127°		
	16	757	30.6	1.34	126°		
	17	757	31.4	1.08	130°		
	18	757	31.4	0.44	127°		
	19	757	31.6	0.00	0°		
	20	756	31.5	0.00	0°		
	21	756	31.4	0.00	0°		
	22	756	31.4	0.00	0°		
	23	757	30.7	0.00	0°		
	24	757	29.1	0.00	0°		

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Ambient Air Sampling Days - December 2, 2016 Through January 1, 2017
Behr Iron & Metal, Inc. - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed (mph)
12/14/16	1	768	2.5	2.61	142°	284°	2.48
	2	768	1.8	2.40	142°		
	3	767	1.4	2.70	145°		
	4	768	3.1	2.62	137°		
	5	767	6.5	2.32	129°		
	6	767	8.9	2.35	129°		
	7	766	10.3	1.36	288°		
	8	767	10.8	2.02	292°		
	9	766	11.9	0.22	16°		
	10	766	14.3	0.79	110°		
	11	766	16.9	2.48	282°		
	12	766	18.9	4.57	280°		
	13	766	19.3	4.68	288°		
	14	765	18.4	5.36	292°		
	15	765	17.1	5.41	302°		
	16	766	15.3	5.85	288°		
	17	766	13.4	5.82	282°		
	18	766	10.9	6.32	286°		
	19	767	8.5	5.06	301°		
	20	768	6.7	4.60	296°		
	21	768	5.5	5.59	291°		
	22	768	4.7	5.76	287°		
	23	769	3.8	4.59	302°		
	24	769	3.2	4.16	294°		
12/17/16	1	754	18.4	2.37	130°	336°	2.04
	2	754	18.7	0.89	121°		
	3	754	19.0	0.93	351°		
	4	754	18.4	0.75	356°		
	5	754	18.3	1.03	344°		
	6	754	18.2	1.09	349°		
	7	754	18.2	0.90	355°		
	8	755	18.0	1.89	343°		
	9	755	17.1	2.10	343°		
	10	756	17.1	1.68	335°		
	11	756	17.2	2.22	339°		
	12	756	17.5	2.36	334°		
	13	757	17.1	2.95	322°		
	14	756	17.8	2.71	332°		
	15	756	17.9	3.52	328°		
	16	757	17.9	3.15	329°		
	17	758	17.7	2.71	329°		
	18	758	17.4	2.07	325°		
	19	758	17.3	2.07	334°		
	20	758	17.5	3.44	335°		
	21	758	18.2	3.49	336°		
	22	759	18.2	3.44	336°		
	23	760	17.6	3.62	334°		
	24	761	16.3	4.05	335°		

Summary of Hourly Meteorological Data for Ambient Sampling
Ambient Air Sampling Days - December 2, 2016 Through January 1, 2017
Behr Iron & Metal, Inc. - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed (mph)
12/20/16	1	772	13.2	3.95	149°	132°	3.50
	2	771	13.9	3.99	151°		
	3	770	15.2	3.87	147°		
	4	770	17.5	4.24	141°		
	5	769	18.8	4.27	145°		
	6	768	19.9	4.29	142°		
	7	767	20.2	5.21	148°		
	8	766	20.8	5.27	141°		
	9	766	21.3	4.94	140°		
	10	767	23.3	4.44	123°		
	11	767	24.5	4.66	123°		
	12	766	26.2	2.83	108°		
	13	766	28.2	1.06	111°		
	14	765	28.6	3.30	123°		
	15	765	29.3	4.04	116°		
	16	765	29.5	2.93	121°		
	17	765	29.2	2.78	121°		
	18	765	28.1	2.80	125°		
	19	766	27.4	2.61	121°		
	20	766	26.9	3.50	126°		
	21	766	26.0	3.09	125°		
	22	766	25.7	3.22	133°		
	23	766	25.8	3.24	127°		
	24	766	25.8	1.44	105°		
12/23/16	1	770	24.0	1.08	139°	138°	2.18
	2	770	24.5	1.21	137°		
	3	769	25.4	1.73	134°		
	4	769	27.0	1.62	138°		
	5	769	27.4	0.89	141°		
	6	769	28.2	1.07	142°		
	7	769	29.5	1.41	141°		
	8	769	29.9	1.85	135°		
	9	768	30.7	2.44	137°		
	10	768	32.4	2.22	141°		
	11	768	33.3	2.58	143°		
	12	768	34.6	3.28	149°		
	13	766	34.5	3.32	142°		
	14	765	35.0	2.77	141°		
	15	764	34.6	2.50	133°		
	16	763	35.0	3.48	128°		
	17	762	34.1	3.53	130°		
	18	762	33.1	2.22	136°		
	19	761	33.0	1.72	129°		
	20	760	32.9	3.49	127°		
	21	760	32.9	2.57	144°		
	22	760	32.9	2.21	145°		
	23	760	33.1	2.33	146°		
	24	760	33.5	1.09	144°		

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Behr Iron & Metal, Inc. - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed (mph)
12/26/16	1	760	39.4	7.20	132°	221°	1.46
	2	759	41.1	6.83	132°		
	3	758	42.1	4.82	143°		
	4	760	43.0	1.89	128°		
	5	759	42.2	2.02	124°		
	6	758	43.8	2.66	142°		
	7	758	43.1	3.01	148°		
	8	758	42.0	3.13	150°		
	9	759	41.8	3.46	150°		
	10	759	43.1	3.65	144°		
	11	759	46.5	4.69	131°		
	12	758	47.7	4.89	125°		
	13	758	48.3	4.67	122°		
	14	758	46.2	1.89	277°		
	15	758	43.3	4.03	280°		
	16	759	40.4	5.23	281°		
	17	759	38.5	2.97	290°		
	18	760	36.0	6.19	282°		
	19	761	33.5	6.64	279°		
	20	762	31.1	7.91	278°		
	21	762	29.7	7.30	277°		
	22	763	29.7	5.87	278°		
	23	763	27.6	6.90	280°		
	24	764	26.7	5.97	285°		
12/29/16	1	757	33.8	4.38	277°	286°	5.02
	2	757	34.2	4.39	284°		
	3	757	32.9	3.09	287°		
	4	757	31.4	3.20	278°		
	5	757	30.5	3.65	274°		
	6	758	29.6	3.42	274°		
	7	758	28.8	3.13	278°		
	8	758	28.6	4.27	275°		
	9	758	28.1	3.84	277°		
	10	759	29.7	4.41	280°		
	11	759	31.2	6.17	281°		
	12	759	31.0	5.33	293°		
	13	759	31.9	6.33	285°		
	14	759	32.4	6.45	285°		
	15	759	33.1	6.03	288°		
	16	760	34.1	6.55	289°		
	17	760	33.3	6.16	282°		
	18	761	33.1	5.73	289°		
	19	761	32.8	6.69	285°		
	20	761	32.4	6.09	296°		
	21	761	31.9	5.62	291°		
	22	761	31.7	5.29	292°		
	23	761	31.1	6.41	291°		
	24	762	30.3	4.76	304°		

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Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed (mph)
01/01/17	1	762	21.9	0.36	184°	141°	1.62
	2	762	21.0	1.00	135°		
	3	762	19.7	0.55	135°		
	4	762	19.8	1.20	138°		
	5	763	19.0	1.16	140°		
	6	763	18.4	1.37	143°		
	7	764	18.4	1.27	140°		
	8	764	17.9	1.07	144°		
	9	765	18.6	1.87	148°		
	10	765	22.0	2.14	146°		
	11	765	26.8	1.95	141°		
	12	765	31.2	1.84	140°		
	13	765	33.4	3.64	145°		
	14	765	35.5	4.39	136°		
	15	764	37.1	3.14	140°		
	16	765	37.9	3.65	141°		
	17	765	37.2	2.16	144°		
	18	765	36.1	0.37	147°		
	19	766	33.6	0.41	139°		
	20	765	33.3	1.43	140°		
	21	765	33.6	1.21	135°		
	22	765	32.9	0.72	129°		
	23	766	31.8	0.97	122°		
	24	766	30.5	1.28	138°		



Ambient Monitor Location with Respect to Site Emission Points and Site Boundaries

